```
=> d his full

   (FILE 'HOME' ENTERED AT 13:48:32 ON 12 FEB 2007)

      FILE 'REGISTRY' ENTERED AT 13:48:44 ON 12 FEB 2007
L1              STRUCTURE UPLOADED
                D QUERY
L2          50 SEA SSS SAM L1
L3              SCREEN 2040
L4              STRUCTURE UPLOADED
L5              QUE ABB=ON  PLU=ON  L4 AND L3
                D L5
L6          50 SEA SSS SAM L4 AND L3
L7      171972 SEA SSS FUL L4 AND L3


      FILE 'CAPLUS' ENTERED AT 13:50:51 ON 12 FEB 2007
L8       92513 SEA ABB=ON  PLU=ON  L7
L9     1208892 SEA ABB=ON  PLU=ON  CU OR COPPER
L10       2981 SEA ABB=ON  PLU=ON  L8 AND L9
L11     961655 SEA ABB=ON  PLU=ON  CATALYST
L12        221 SEA ABB=ON  PLU=ON  L10 AND L11
                D L12 1-221 ABS IBIB


      FILE 'REGISTRY' ENTERED AT 14:06:25 ON 12 FEB 2007
L13             SCREEN 2040
L14             STRUCTURE UPLOADED
L15             QUE ABB=ON  PLU=ON  L14 AND L13
                D L15
L16         50 SEA SSS SAM L14 AND L13
L17      26368 SEA SSS FUL L14 AND L13


      FILE 'CAPLUS' ENTERED AT 14:07:48 ON 12 FEB 2007
L18       8894 SEA ABB=ON  PLU=ON  L17
L19         22 SEA ABB=ON  PLU=ON  L18 AND L9 AND L11
                D L19 1-22 ABS IBIB


      FILE 'REGISTRY' ENTERED AT 14:10:10 ON 12 FEB 2007
L20             SCREEN 2040
L21             STRUCTURE UPLOADED
L22             QUE ABB=ON  PLU=ON  L21 AND L20
                D L22
L23         20 SEA SSS SAM L21 AND L20
L24        310 SEA SSS FUL L21 AND L20


      FILE 'CAPLUS' ENTERED AT 14:12:11 ON 12 FEB 2007
L25        187 SEA ABB=ON  PLU=ON  L24
L26          0 SEA ABB=ON  PLU=ON  L25 AND L9 AND L11


      FILE 'REGISTRY' ENTERED AT 14:13:04 ON 12 FEB 2007
L27             SCREEN 2040
L28             STRUCTURE UPLOADED
L29             QUE ABB=ON  PLU=ON  L28 AND L27
                D L29
L30         32 SEA SSS SAM L28 AND L27
L31        825 SEA SSS FUL L28 AND L27


      FILE 'CAPLUS' ENTERED AT 14:14:05 ON 12 FEB 2007
L32       1004 SEA ABB=ON  PLU=ON  L31
L33          1 SEA ABB=ON  PLU=ON  L32 AND L9 AND L11
                D L33 ABS IBIB
```

```
        FILE 'REGISTRY' ENTERED AT 14:14:34 ON 12 FEB 2007
L34             SCREEN 2040
L35             STRUCTURE UPLOADED
L36             QUE ABB=ON   PLU=ON   L35 AND L34
                D L36
L37          49 SEA SSS SAM L35 AND L34
L38       12096 SEA SSS FUL L35 AND L34


        FILE 'CAPLUS' ENTERED AT 14:15:19 ON 12 FEB 2007
L39        8436 SEA ABB=ON   PLU=ON   L38
L40          67 SEA ABB=ON   PLU=ON   L39 AND L9 AND L11
                D L40 1-67 ABS IBIB


        FILE 'REGISTRY' ENTERED AT 14:19:05 ON 12 FEB 2007
L41             SCREEN 2040
L42             STRUCTURE UPLOADED
L43             QUE ABB=ON   PLU=ON   L42 AND L41
                D L43
L44          50 SEA SSS SAM L42 AND L41


        FILE 'CAPLUS' ENTERED AT 14:20:08 ON 12 FEB 2007
L45      386560 SEA ABB=ON   PLU=ON   AMMONIUM?
L46      130988 SEA ABB=ON   PLU=ON   QUATERNARY?
L47      449058 SEA ABB=ON   PLU=ON   L45 OR L46
L48        3295 SEA ABB=ON   PLU=ON   L47 AND L9 AND L11


        FILE 'REGISTRY' ENTERED AT 14:21:28 ON 12 FEB 2007
L49             STRUCTURE UPLOADED
                D QUERY
L50      985668 SEA SSS FUL L49
L51     1670224 SEA ABB=ON   PLU=ON   AMINE


        FILE 'CAPLUS' ENTERED AT 14:24:17 ON 12 FEB 2007
L52     1530042 SEA ABB=ON   PLU=ON   ?AMINE
L53         606 SEA ABB=ON   PLU=ON   L52 AND L48
                D L53 1-606 IBIB



        FILE HOME

        FILE REGISTRY
        Property values tagged with IC are from the ZIC/VINITI data file
        provided by InfoChem.

        STRUCTURE FILE UPDATES:   11 FEB 2007   HIGHEST RN 920490-65-9
        DICTIONARY FILE UPDATES:  11 FEB 2007   HIGHEST RN 920490-65-9

        New CAS Information Use Policies, enter HELP USAGETERMS for details.

        TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

           Please note that search-term pricing does apply when
           conducting SmartSELECT searches.

        REGISTRY includes numerically searchable data for experimental and
        predicted properties as well as tags indicating availability of
        experimental property data in the original document.  For information
        on property searching in REGISTRY, refer to:

        http://www.cas.org/ONLINE/UG/regprops.html
```

FILE CAPLUS

FILE COVERS 1907 - 12 Feb 2007   VOL 146 ISS 8
FILE LAST UPDATED: 11 Feb 2007   (20070211/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	741.06	2692.00

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-241.80

FILE 'STNGUIDE' ENTERED AT 14:55:07 ON 12 FEB 2007
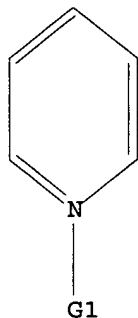USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY, JAPAN SCIENCE
AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

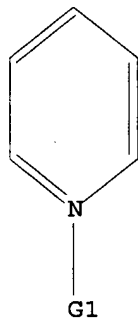FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Feb 9, 2007 (2007020

```
=> d l1
L1 HAS NO ANSWERS
L1                    STR
```

(pyridine ring structure with N–G1 substituent)

```
G1 C,H
```

Structure attributes must be viewed using STN Express query preparation.

```
=> d l4
L4 HAS NO ANSWERS
L4                    STR
```

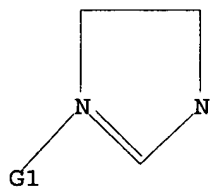(pyridine ring structure with N–G1 substituent)

```
G1 C,H
```

and charge

Structure attributes must be viewed using STN Express query preparation.
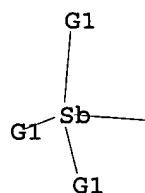
```
=> d l14
L14 HAS NO ANSWERS
L14                    STR
```

(imidazole ring structure with N–G1 substituent)

```
G1 C,H
```

and charge

Structure attributes must be viewed using STN Express query preparation.

Page 1

```
=> d 121
L21 HAS NO ANSWERS
L21              STR
```

```
       G1
       |
       |
    Sb
 G1    |
       |
       G1
G1 C,H
```
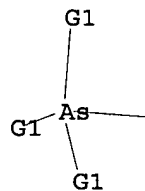
and change

Structure attributes must be viewed using STN Express query preparation.

```
=> d 128
L28 HAS NO ANSWERS
L28              STR
```
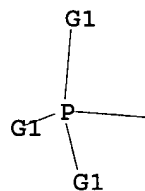
```
       G1
       |
       |
    As
 G1    |
       |
       G1
G1 C,H
```

and change

Structure attributes must be viewed using STN Express query preparation.

```
=> d 135
L35 HAS NO ANSWERS
L35              STR
```

```
       G1
       |
       |
    P
 G1    |
       |
       G1
G1 C,H
```

and change

Structure attributes must be viewed using STN Express query preparation.

```
=> d 142
L42 HAS NO ANSWERS
L42              STR
```
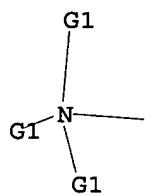
G1
|
G1—N—
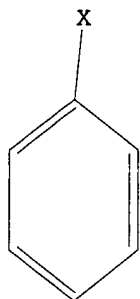|
G1

G1 C,H

and change

Structure attributes must be viewed using STN Express query preparation.

=> d l49
L49 HAS NO ANSWERS
L49   STR

X
|

G1 C,H

Structure attributes must be viewed using STN Express query preparation.

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	240	(564/405).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/12 15:13
L2	787601	cu or copper	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/12 15:13
L3	79	l1 and l2	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/12 15:13